Natalia Mokshina

List of Publications by Year
in descending order

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		759233	752698
22	602	12	20
papers	citations	h-index	g-index

22	22	22	384
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aspen tension wood fibers contain Î²-(1â†'4)-galactans and acidic arabinogalactans retained by cellulose microfibrils in gelatinous walls. Plant Physiology, 2015, 169, pp.00690.2015.	4.8	86
2	Plant â€˜musclesâ€™: fibers with a tertiary cell wall. New Phytologist, 2018, 218, 66-72.	7.3	73
3	Chitinase-Like (CTL) and Cellulose Synthase (CESA) Gene Expression in Gelatinous-Type Cellulosic Walls of Flax (Linum usitatissimum L.) Bast Fibers. PLoS ONE, 2014, 9, e97949.	2.5	59
4	Transcriptome portrait of cellulose-enriched flax fibres at advanced stage of specialization. Plant Molecular Biology, 2017, 93, 431-449.	3.9	58
5	Transcriptome Analysis of Intrusively Growing Flax Fibers Isolated by Laser Microdissection. Scientific Reports, 2018, 8, 14570.	3.3	52
6	Cellulosic fibres of flax recruit both primary and secondary cell wall cellulose synthases during deposition of thick tertiary cell walls and in the course of graviresponse. Functional Plant Biology, 2017, 44, 820.	2.1	45
7	Key Stages of Fiber Development as Determinants of Bast Fiber Yield and Quality. Fibers, 2018, 6, 20.	4.0	36
8	Intrusive Growth of Phloem Fibers in Flax Stem: Integrated Analysis of miRNA and mRNA Expression Profiles. Plants, 2019, 8, 47.	3.5	28
9	Genes with bast fiber-specific expression in flax plants - Molecular keys for targeted fiber crop improvement. Industrial Crops and Products, 2020, 152, 112549.	5.2	27
10	Cellulosic Fibers: Role of Matrix Polysaccharides in Structure and Function. , 0, , .		21
11	Flax rhamnogalacturonan lyases: phylogeny, differential expression and modeling of protein structure. Physiologia Plantarum, 2019, 167, 173-187.	5.2	19
12	Phloem fibres as motors of gravitropic behaviour of flax plants: level of transcriptome. Functional Plant Biology, 2018, 45, 203.	2.1	18
13	Expression of cellulose synthase-like genes in two phenotypically distinct flax (Linum usitatissimum) Tj ETQq1 1 0.784314 rgBT /Overlo	1.6	18
14	The Toolbox for Fiber Flax Breeding: A Pipeline From Gene Expression to Fiber Quality. Frontiers in Genetics, 2020, 11, 589881.	2.3	12
15	Rearrangement of the Cellulose-Enriched Cell Wall in Flax Phloem Fibers over the Course of the Gravitropic Reaction. International Journal of Molecular Sciences, 2020, 21, 5322.	4.1	12
16	Differential expression of Î±-l-arabinofuranosidases during maize (Zea mays L.) root elongation. Planta, 2015, 241, 1159-1172.	3.2	10
17	Gene Expression Patterns for Proteins With Lectin Domains in Flax Stem Tissues Are Related to Deposition of Distinct Cell Wall Types. Frontiers in Plant Science, 2021, 12, 634594.	3.6	9
18	FIBexDB: a new online transcriptome platform to analyze development of plant cellulosic fibers. New Phytologist, 2021, 231, 512-515.	7.3	6

#	Article	IF	Citations
19	Plants at Bodybuilding: Development of Plant â€œMusclesâ€•, 2018, , 141-163.		5
20	Stimulation of adventitious root formation by the oligosaccharin OSRG at the transcriptome level. Plant Signaling and Behavior, 2020, 15, 1703503.	2.4	4
21	Screenplay of flax phloem fiber behavior during gravitropic reaction. Plant Signaling and Behavior, 2018, 13, e1486144.	2.4	2
22	Using FIBexDB for In-Depth Analysis of Flax Lectin Gene Expression in Response to Fusarium oxysporum Infection. Plants, 2022, 11, 163.	3.5	2